

# بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ



HOSSAM MAGHRABY



# شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



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# جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم  
قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها  
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بالرسالة صفحات

لم ترد بالأصل



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**STUDY OF INTER-RELATIONSHIP  
BETWEEN SERUM PROCOLLAGEN III  
AND HISTOPATHOLOGICAL FINDINGS  
IN CHRONIC LIVER DISEASE**

B10507

**Thesis**

SUBMITTED FOR PARTIAL FULFILLMENT OF M.Sc. DEGREE  
IN **INTERNAL MEDICINE**

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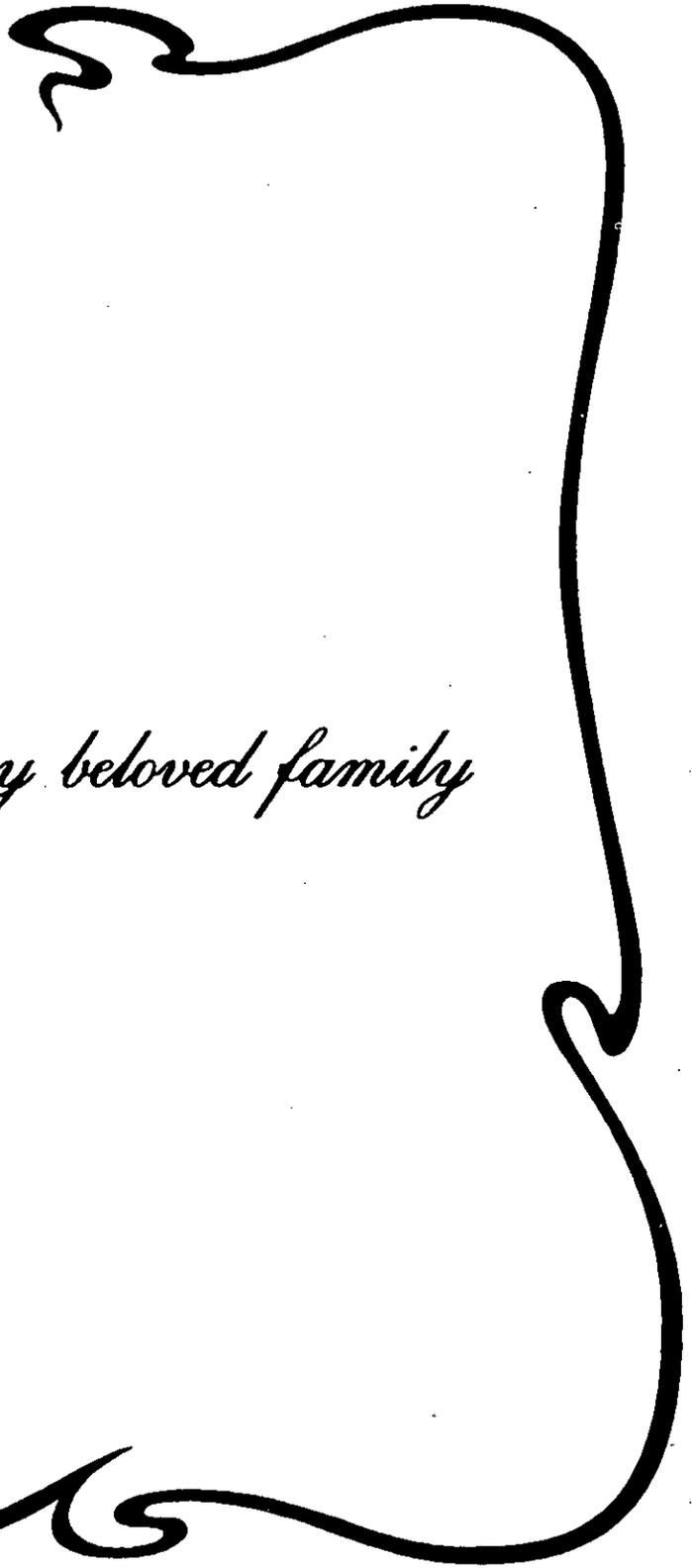
قَالُوا سُبْحٰنَكَ لَا عِلْمَ لَنَا بِآلِهٰمَ عَالِمُنَا اِنَّكَ اَنْتَ الْعَلِیْمُ الْحَكِیْمُ

صدق الله العظيم

(۳۲ / البقرة)



*To my beloved family*



## **ACKNOWLEDGMENTS**

Before all, I should express my deep thanks to **GOD**, without his great blessings I would never accomplish my work.

I am deeply obliged to **Prof. Dr. Sanaa Sayed Gazareen**, Professor of Internal Medicine, Faculty of Medicine, Menoufiya University, without her vast experience, knowledge, and continuous meticulous guidance, this work would not have been possible. With her critical mind, brought out the final points of my research and opened new paths of thought which were formerly closed, her contribution is without doubt, great.

I also feel deeply thankful to **Ass. Prof. Dr. Nabil Abdel-Fattah El-Kafrawy**, Assistant Professor of Internal Medicine, Faculty of Medicine, Menoufiya University, for his expert guidance, for his illuminating remarks, and for his sympathetic attitude.

I am also grateful to **Dr. Mahmoud Wageeh**, Lecturer of Internal Medicine, Faculty of Medicine, Menoufiya University, for his support, unforgettable assistance, encouragement, excellent guidance and help.

Deep gratitude to my supervisor **Dr. Mohamed Sayed Mostafa**, Assistant Professor of Clinical Pathology, National Liver Institute, Menoufiya University, for his tremendous assistance, continuous guidance and enthusiastic support.

Deep thanks to **Dr. Mohamed Tawfeek Badr**, Lecturer of Pathology, Liver Institute, Menoufiya University for his help in the practical part of this work.

## *LIST OF ABBREVIATIONS*

ADCC	Antibody dependent cellular cytotoxicity
AIM	Autoimmune hepatitis
ALT	Alanine aminotransferase
ALP	Alkaline phosphatase
ANA	Antinuclear antibody
anti-LP	Autoantibodies to liver pancreas specific antigen
ASMA	Anti-smooth muscle antibody
AST	Aspartate aminotransferase
DNA	Deoxyribonucleic acid
E	Envelope
ELISA	Enzyme linked immunosorbent assay
HBcAb	Hepatitis B core antibody
HBcAg	Hepatitis B core antigen
HBcAb	Hepatitis B envelop antibody
HBcAg	Hepatitis B envelop antigen
HBsAb	Hepatitis B surface antibody
HBsAg	Hepatitis B surface antigen
HBV	Hepatitis B virus
HCC	Hepatocellular carcinoma
HCV	Hepatitis C virus
IgA	Immunoglobulin A
IgM	Immunoglobulin M
IRES	Internal ribosome entry site
LKM	Liver-kidney microsomal antibodies
LMA	Liver membrane antigen

LP	Liver pancreas specific antigen
NS	Non-structural
ORF	Open reading frame
P-III-P	Procollagen III propeptide
PCR	Polymerase chain reaction
RIBA	Recombinant immunoblot assay.
RNA	Ribonucleic acid
S	Structural proteins
<i>S. mansoni</i>	<i>Schistosoma mansoni</i>
SLA	Soluble liver antigen
TGF	Transferring growth factor
TNF	Tumor necrosis factor
U/S	Ultrasonography
UTR	Untranslated regions

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